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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/677,140
				Filing Date	09-30-2003
				First Named Inventor	Steinberg, et al.
				Art Unit	2624
				Examiner Name	Kassa, Yosef
Sheet	1	of	5	Attorney Docket Number	FN104-D

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
YK/		US-3,541,941	11-24-1970	Barr, et al.	
		US-3,621,136	11-16-1971	Stanwood	
		US-4,186,301	01-29-1980	Basire, et al.	
		US-4,354,204	10-12-1982	Kimura	
		US-4,748,509	05-31-1988	Otake, et al.	
		US-5,093,716	03-03-1992	Kondo, et al.	
		US-5,475,429	12-12-1995	Kodama	
		US-5,541,655	07-30-1996	Kaneda	
		US-5,926,212	07-20-1999	Kondo	
		US-6,018,363	01-25-2000	Horii	
		US-6,035,073	03-07-2000	Kaup	
		US-6,167,206	12-26-2000	Hylan, Steven H. L.	
		US-6,181,378 B1	01-30-2001	Horie, et al.	
		US-6,326,998 B1	12-04-2001	Palum	
		US-6,381,357	04-30-2002	Tan, et al.	
V		US-6,733,136	05-11-2004	Lantz, et al.	
		US-6,829,008 B1	12-07-2004	Kondo, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Number Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
YK/		JP 04221748 A	08-12-1992	Iwaki Electron Ltd.		
		EP 1 157 544 (WO 00/51341)	02-04-2000	Inter Corporation		
		EP 1 188 309 (WO 00/72584 A1)	11-30-2000	Foveon, Inc.		
		EP 1 478 169 A2	11-17-2004	Nikon Corporation		
		EP 1 507 157 A2	02-16-2005	Canon Kabushiki Kaisha		
		WO 2005/041558 A1	05-06-2005	FotoNation Vision Limited		
		WO 2005/109853 A1	05-05-2005	FotoNation Vision Limited		

Examiner Signature	Yosef Kassa/	Date Considered	11/21/2007
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YK/		US-6,933,978 B1	08-23-2005	Suda	
		US-7,058,294 B2	06-06-2006	Nakahara	
		US-2002/0041383	04-11-2002	Lewis, et al.	
		US-2002/0158977 A1	10-31-2002	Hamilton	
		US-2003/0025802 A1	02-06-2003	Mayer, Jr., et al.	
		US-2003/0098922 A1	05-29-2003	Barkan	
		US-2003/0174902 A1	09-18-2003	Barkan	
		US-2003/0193604 A1	10-16-2003	Robins, et al.	
		US-2004/0037457	02-26-2004	Wengender, et al.	
		US-2004/0201709 A1	10-14-2004	McIntyre, et al.	
		US-2005/0001910	01-06-2005	Hoshuyama, et al.	
		US-2005/0068445 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068446 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068447 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068448 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068449 A1	03-31-2005	Steinberg, et al.	
		US-2005/0068450 A1	03-31-2005	Steinberg, et al.	

FOREIGN PATENT DOCUMENTS

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YK/		US-2005/0068452 A1	03-31-2005	Steinberg, et al.	
		US-2005/0078173 A1	04-14-2005	Steinberg, et al.	
		US-2006/0221227 A1	10-05-2006	Chang	
		US-2006/0274171	12-07-2006	Wang	
		US-2007/0116380 A1	05-24-2007	Ciuc, Mihai, et al.	
		US2007/0122056 A1	05-31-2007	Steinberg, et al.	
		US-2007/0189757 A1	08-16-2007	Steinberg, et al.	
		US-5,557,689	09-17-1996	Huttenlocher, et al.	
		US-5,982,941	11-09-1999	Loveridge, et al.	
		US-6,344,640	02-05-2002	Rhoads	
		US-6,700,667	03-02-2004	Nishi	
		US-7,020,350	03-28-2006	Sakai, et al.	
		US-			
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/YK/		DOIGNON, C.; CORTELAZZO, G.; FREZZA, R., "A robust camera calibration technique for high resolution image acquisition", Proceedings of the European Conference on Multimedia Applications, Services and Techniques, 28-30 May 1996, Louvain la Neuve, Belgium. vol.1, Page: 267-78.	
		R DOMÓNGUEZ-CASTRO, S ESPEJO, A RODRÓGUEZ, "A Programmable Mixed-Signal Focal-Plane Array Processor with On-Chip Binary Imaging and Instructions Storage", IEEE Journal of Solid-State Circuits, Vol. 32, no. 7, July 1997. http://citeseer.ist.psu.edu/280486.html .	
		FORCHHEIMER, R. ASTROM, A., "Near-sensor image processing: a new paradigm", IEEE Transactions on Image Processing, Nov 1994, Volume: 3, Issue: 6, pp. 736-746. ISSN: 1057-7149. Digital Object Identifier: 10.1109/83.336244. http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=336244 .	
		S. MANN, R.W. PICARD, "On Being 'Undigital' With Digital Cameras: Extending dynamic Range by Combining Differently Exposed Pictures", p. 7 pages. http://www.eyetap.org/wearcomp/is_t95_myversion.ps.gz .	
		PCT Notification of Transmittal of the International Search Report and the Written Opinion of the Internatioal Searching Authority, or the Declaration, for PCT/EP2004/010199	
		US Patent Application No. 11/462,035, filed August 02, 2006.	
		Non-Final Office Action mailed June 14, 2007, for US Patent Application No. 10/677,139 filed 09-30-2003.	
		Non-Final Office Action mailed July 23, 2007, for US Patent Application No. 11/673,577 filed 02-10-2007.	
		Non-Final Office Action mailed April 16, 2007, for US Patent Application No. 10/677,134 filed 09-30-2003.	
		Non-Final Office Action mailed April 16, 2007, for US Patent Application No. 10/676,845 filed 09-30-2003.	

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/YK/		Non-Final Office Action mailed February 2, 2007, for US Patent Application No. 10/676,823 filed 09-30-2003.	
/YK/		Non-Final Office Action mailed February 2, 2007, for US Patent Application No. 10/676,716 filed 09-30-2003.	

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